

DESIGN INFORMATION BULLETIN

NO: 22-12.027

CONVAIR REPORT NO. ZM-22-005

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MODEL 22 AIRPLANE

DATE: 5 May 1960

PROJECT STATUS REPORTING AND CONTROL

PURPOSE

This DIB provides for project design status reporting and control from the inception through design completion, applying only to Model 22-21 and subsequent versions and models.

DEFINITIONS

The Engineering schedule dates used in this DIB are defined as follows:

Off-Board Date - The date off-board controlled distribution prints have been reproduced and returned to the controlled distribution area.

Loft/Check Date - The date prints have been loft completed and/or checked and returned to the applicable design group for incorporation of loft/check corrections.

Final Distribution Date - The date drawings have been recorded by the Engineering Data Control Group as being Engineering complete. This is prior to the reproduction of prints for Tooling and Manufacturing Departments.

PROCEDURE

1. Pre-Design Phase: Concurrently with Engineering Pre-Design activity, the Tooling Department, in conjunction with the Engineering Department, will prepare the production breakdown (Exploded View) of the product and develop the item identification chart.
2. EWO and Item Definition Phase: The Engineering design task shall be defined by Engineering Work Order (EWO) to reflect the requirements of a production item. Tooling Department will review the EWO contents and schedule dates and when such data appears incompatible with the production item, then Engineering and Tooling Departments shall jointly determine the best solution. This may necessitate splitting the EWO package and/or re-identifying the item or scheduling for off-station installation. If off-station installation is necessary the number on the First Lot Control Report will be identified with an asterisk.
3. First Lot Control Reports: The EWO schedule data and subsequent related information shall be sent to the Data Processing Department for the preparation and maintenance of First Lot Control Reports. Each item on these reports will be identified by number (in sequence) consisting of; the Engineering Group function number - the EWO number - the EWO dash number - and the Manufacturing item number. This number will be followed by; the

3. Continued

EWO title and the off-board, loft/check, final distribution schedule dates by M-days (by calendar day until reprogrammed).

4. Punched Data Cards: Punched and interpreted data cards that are prepared from those cards used to tabulate first lot control reports will be supplied to the Tooling Department by the Data Processing Department. By working directly with Engineering Design Groups, the Tooling Department will add to, and maintain such cards to contain all data related to; indenture number - planning start date - planning complete date - and drawing number. The Tooling Department will prepare weekly reports for analysis and forecasting by; Tooling - Manufacturing Control - Industrial Engineering - and Long Range Planning Departments.

The Engineering Data Control Group will make a copy of each Drawing Number Request when issued to the requesting design group personnel, and forward daily to the Tooling Department. Included on these requests is the Engineering Group function number and the EWO number with EWO dash number (if any).

5. Future Punched Data Cards: When it is possible after the EDP Drawing System is fully installed, Engineering will prepare the necessary data and request EDP System modification which will provide the Tooling Department with punched cards containing additional information such as; the drawing number - the Engineering basic task and dash numbers (EWO or COR) - and the drawing title (when possible).

This future objective is to supply additional information for next assembly, along with the present information, at the time design group personnel requests a drawing number. This next assembly information is available in the Engineering Master File for all controlled and final distributed drawings in the EDP System. Such information could be extracted at an undetermined cost of programming and processing.

APPROVED BY



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